

INFORMATION DISCLOSURE CITATION FORM FOR PATENT APPLICATION (FORM PTO-1449)			Docket No.: 456-010393-US(PAR)		Serial No.: 09/872,682	
(Substitute)			Applicant(s): GUEVORKIAN et al.		Filing Date: 6/1/01	
			Group: 2124			
U.S. PATENTS						
Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date
FOREIGN PATENT DOCUMENTS						
Initials	Document Number	Date	Country	Name	Translation? es/No/n/a	
OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)						
	"A Theory for Multiresolution Signal Decomposition: The Wavelet Representation," Mallat, IEEE Trans. on Pattern Analysis and Machine Intelligence, Vol. 2, No. 12, 1989, pp. 674-693.					
	"Wavelets and Subband Coding," Vetterli et al., Prentice Hall, 1995, relevant pages thereof.					
	"Ten Lectures on Wavelets," Daubachies, Society for Industrial and Applied Mathematics, 1992, relevant pages thereof.					
	"The Wavelet Transform, Time Frequency, Localization and Signal Analysis," Daubechies, IEEE Trans. on Information Theory, vol. 36, No. 5, 1990, pp. 961-1005.					
	"Fast Wavelet Transforms and Numerical Algorithms I," Beylkin et al., Yale Univ., 1989, pp. 1-41.					
	"Interictal EEG Spike Detection: A New Framework Based on The Wavelet Transform," Senhadji et al., Proc. IEEE-SP Int. Symp. Time-Frequency Time-Scale Anal., 1994, pp. 548-551.					
	"Multifrequency Channel Decompositions of Images and Wavelet Models," Mallat, IEEE Trans. on Acoust., Speech and Signal Processing, vol. 37, No. 12, 1989, pp. 2091-2110.					
	"Short-Length FIR Filters and Their Use in Fast Nonrecursive Filtering," Mou et al., IEEE Trans. on Signal Processing, Vol. 39, No. 6, 1991, pp. 1322-1332.					
	"New Systolic Arrays for Computation of the 1-D Discrete Wavelet Transform," Pan et al., Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 1997, Vol. 5, 1997, pp. 4113-4116.					
	"An Efficient VLSI Architecture for the Computation of 1-D Discrete Wavelet Transform," Premkumar et al., Proc. of the IEEE Int. Conf. On Information, Communications and Signal Processing, 1997, pp. 1180-1184.					
	"VLSI Architectures for the Discrete Wavelet Transform," Vishwanath et al., IEEE Trans. on Circuits and Systems II: Analog and Digital Signal Processing, vol. 42, No. 5, 1995, pp. 305-316.					
	"Discrete Wavelet Transform: Data Dependence Analysis and Synthesis of Distributed Memory and Control Array Architectures," Fridman et al., IEEE Trans. on Signal Processing, vol. 45, n. 5, 1997, pp. 1291-1308.					
	"VLSI Architectures for Discrete Wavelet Transforms," Parhi et al., IEEE Trans. on VLSI Systems, vol. 1, No. 2, 1993, pp. 191-202.					
	"Systolic VLSI Architectures for 1-D Discrete Wavelet Transforms," Denk et al., Proceedings of the Thirty-Second Asilomar Conference on Signals, Systems & Computers, 1998, vol. 2 pp. 1220-1224.					
	"VLSI Architecture for the Discrete Wavelet Transform," Knowles, Electronics Letters, vol. 26, No. 15, 1990, pp. 1184-1185.					
Examiner's Signature: <u>D.H. Malachuk</u>			Date Considered: <u>9/21/04</u>			
Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not consider Include a copy of this citation form with your next correspondence to the Applicant(s).						

BEST AVAILABLE COPY

INFORMATION DISCLOSURE CITATION FORM FOR PATENT APPLICATION (FORM PTO-1449) (Substitute)		Docket No.: 456-010393-US(PAR)		Serial No.: 09/872,682	
		Applicant(s): GUEVARKIAN et al.			
		Filing Date: 6/1/01		Group: 2124	
U.S. PATENTS					
Initials	Patent Number	Issue Date	Name	Class	Sub-class
FOREIGN PATENT DOCUMENTS					
Initials	Document Number	Date	Country	Name	Translation? Yes/No/a
OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)					
✓	"Efficient Realizations of Discrete and Continuous Wavelet Transforms: From Single Chip Implementations to Mappings on SIMD Array Computers," Chakrabarti et al., IEEE Trans. on Signal Processing, vol. 43, No. 3, 1995, pp. 759-771.				
✓	"Architectures for Wavelet Transforms: A Survey," Chakrabarti et al., Journal of Signal Processing, Vol. 14, No. 2, 1996.				
✓	"VLSI Implementation of Discrete Wavelet Transform," Grzeszczak et al., IEEE Trans. on VLSI Systems, vol. 4, No. 4, 1996, pp. 421-433.				
✓	"A Common Architecture for the DWT and IDWT," Vishwanath et al., Proceedings of IEEE Int. Conf. on Application Specific Systems, Architectures and Processors, 1996, pp. 193-198.				
✓	"Design and Implementation of a Highly Efficient VLSI Architecture for Discrete Wavelet Transform," Yu et al., Proceedings of IEEE Int. Conf. on Custom Integrated Circuits, 1997, pp. 237-240.				
✓	"A Scalable Architecture for Discrete Wavelet Transform," Syed et al., Proceedings of Computer Architectures for Machine Perception (CAMP '95), 1995, pp. 44-50.				
✓	"The Recursive Pyramid Algorithm for the Discrete Wavelet Transform," Vishwanath, IEEE Transactions on Signal Processing, vol. 42, No. 3, 1994, pp. 673-677.				
✓	"Trading Speed for Low Power by Choice of Supply and Threshold Voltages," Liu et al., IEEE Journal of Solid State Circuits, vol. 28, No. 1, 1993, pp. 10-17.				
✓	"High-Speed/Low-Power 1-D DWT Architectures With High Efficiency," Marino et al., Proceedings of the IEEE International Conference on Circuits and Systems, 2000, vol. 5, pp. 337-340.				
✓	"Computational Aspects of Discrete Linear Transforms and Rank Order Based Filters", D.Z. Gevorkian, Thesis for the degree of Doctor of Technology, 1997, relevant pages.				
✓	"Parallel Algorithms and Architectures for a Family of Haar-like Transforms," Astola et al., Proceedings of SPIE's International Symposium on Electronic Imaging: Science and Technology, vol. 2421, 1995.				
✓	Eusipco 2000 CD-ROM Proceedings, "Highly Efficient Fast Architectures for Discrete Wavelet Transforms Based on Their Flowgraph Representation", Gevorkian et al., X European Signal Processing Conference, 2000.				
✓	"TMS320C6000™ Highest Performance DSP Platform," 3 page document.				
✓	"Architectures for Digital Signal Processing," P. Pirsch, J. Willey & Sons, 1998, relevant pages thereof.				
Examiner's Signature: <i>D.H. Malzahn</i>			Date Considered: 9/21/04		
Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered. Include a copy of this citation form with your next correspondence to the Applicant(s).					

Customer No.: 2512

BEST AVAILABLE COPY



Page No.: 1 of: 1

**INFORMATION DISCLOSURE
CITATION FORM FOR
PATENT APPLICATION
(FORM PTO-1449)
(Substitute)**

Docket No.: 456-010393-US(PAR)

Serial No.: 09/872,682

Applicant(s): GUEVORKIAN et al.

Filing Date: 6/01/01

Group: 2124

U.S. PATENTS

Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date

RECEIVED
JAN 22 2002
Technology Center 2100

FOREIGN PATENT DOCUMENTS

Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a

OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)

<input checked="" type="checkbox"/>	"Wavelets in Numerical Analysis", Beylkin et al., Jones and Bartlett, 1992, pp. 181-210.
<input checked="" type="checkbox"/>	"Multiresolution Signal Decomposition: Transforms, Subbands and Wavelets," Akansu et al., Academic Press, Inc., 1992, relevant pages thereof.
<input checked="" type="checkbox"/>	"Why Systolic Architectures?" H. T. Kung, IEEE Computer, 1982, 10 page document.

Examiner's Signature: D.H. MalzahnDate Considered: 9/21/84

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.
Include a copy of this citation form with your next correspondence to the Applicant(s).

Customer No.: 2512

BEST AVAILABLE COPY

INFORMATION DISCLOSURE

Docket No.: 456-010393-US(PAR)

Serial No.: 09/872,682

CITATION FORM FOR
PATENT APPLICATION

Applicant(s): GEUVORKIAN et al.

COPY OF PAPERS
ORIGINALLY FILED

(FORM PTO-1449)

Filing Date: 6/01/01

Group: 2124

(Substitute)

U.S. PATENTS

Patent Number	Issue Date	Name	Class	Sub-class	Filing date

RECEIVED
JUL 22 2002
Technology Center 2100


U.S. PATENT PUBLICATIONS

Initials	Publication No.	Pub. Date	Name	Class	Sub-class	Filing Date

FOREIGN PATENT DOCUMENTS

Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a

OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)

	"Analysis of Sound Patterns through Wavelet Transform", R. Kronland-Martinet et al., Int. Journ. Pattern Recognition and Artificial Intell., vol. 1, no. 2, 1987, pp. 273-302.

Examiner's Signature:

D. H. Malzahn

Date Considered:

9/21/04

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.

Include a copy of this citation form with your next correspondence to the Applicant(s).

Customer No.: 2512

BEST AVAILABLE COPY